Proposed Locomotive and Marine Engine Rule

Testimony of
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Southwest Clean Air Agency
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U.S. EPA Public Hearing
Seattle, Washington
May 8, 2007
Line Haul Locomotive Emissions
Within the Columbia River Gorge National Scenic Area

$\text{NO}_x - 8,363 \text{ tons of emissions}$*
$\text{CO} - 826 \text{ tons of emissions}$
$\text{VOC} - 319 \text{ tons of emissions}$
$\text{PM}_{2.5} - 194 \text{ tons of emissions}$
$\text{SO}_2 - 635 \text{ tons of emissions}$

* Combined 2004 emissions of Burlington Northern and Santa Fe Railroad (BNSF) and Union Pacific (UP).
Towboat Emissions
Within Columbia River Gorge National Scenic Area

$\text{NO}_x$ – 768 tons of emissions*
CO – 100 tons of emissions
VOC – 32 tons of emissions
PM – 102 tons of emissions
$\text{SO}_2$ – 404 tons of emissions

* Total 2004 diesel fuel consumed was 3,563,000 gallons.
Conclusion

Proposed New Language:

"Locomotives and Marine Diesel Engines traveling through a federally designated National Scenic Area or Class 1 Area and a Major Metropolitan Area must be designated for first application of remanufactured and newly built locomotives and marine diesel engines."
New Rule Language Needed To:

1. Improve public health in Portland, OR/Vancouver, WA metropolitan area.
2. Improve air quality in nearby Class 1 areas.
3. Improve visibility in Columbia River Gorge National Scenic Area.
4. Affirmatively address EPA's Nation-To-Nation consultation and resource protection responsibilities (Yakima Nation, Warm Springs Nation, Umatilla Nation and Nez Perce Nation)
Proposed Locomotive and Marine Engine Rule

Purpose of Testimony:

1. Express support for proposed rule.

2. Emphasize need for expeditious adoption.

3. Propose new rule language.
Columbia River Gorge National Scenic Area
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Locomotive Emissions
Columbia River Gorge National Scenic Area
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Columbia River Gorge National Scenic Area

View of Interstate 84 from the Mosier Twin Tunnel. (Photo courtesy Robert Hadlow, Ph.D.)
Columbia River Gorge National Scenic Area
Locomotive Emissions
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Line Haul Locomotive Emissions
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Locomotive Emissions
Columbia River Gorge National Scenic Area

Locomotive Emissions
Vancouver Switchyard Locomotive Emissions
Columbia River Gorge National Scenic Area

Towboat Emissions
Columbia River Gorge National Scenic Area

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Thank you for the opportunity to offer these public comments.

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